

Converting Colors

$Y_{xy}(42.3439, 0.3312, 0.2723)$

Have a look what the booklet for
Yxy(42.3439, 0.3312, 0.2723)
contains.

Yxy(42.4831, 0.3304, 0.2723)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4831, 0.3304, 0.2723)

Conversions

Conversions Part 1

Format	Color
Hex	DB9ACB
RGB	219, 154, 203
RGB Percent	86%, 60%, 80%
CMY	0.1412, 0.3960, 0.2039
CMYK	0.00, 0.30, 0.07, 0.14
HSL	315°, 47%, 73%
HSV	315°, 30%, 86%
XYZ	51.5476, 42.4831, 61.9851
YIQ	179.0210, 23.0110, 29.0190

Conversions

Conversions Part 2

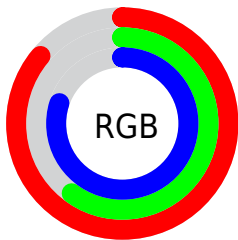
Format	Color
R_{YB}	219, 154, 203
Decimal	14392011
CIE _{Lab}	71.20, 31.88, -15.41
CIE _{LCh}	71, 35.404, 334.202
Yxy	42.4831, 0.3304, 0.2723
Android (android.graphics.Color)	4292582091 (0xFFDB9ACB)
YUV	179.0210, 11.8216, 35.0616
Hunter-Lab	65.1791, 27.1054, -10.7593

Details

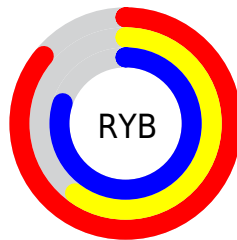
The Yxy color $42.4831, 0.3304, 0.2723$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $60.4338, 0.2989, 0.3934$, and the grayscale version is $45.0189, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $19.4592, 0.3344, 0.2574$ is the 20% darker color. If you saturate the color by 10%, you get $35.6506, 0.3382, 0.2531$, and if you desaturate by 10%, it is $50.6470, 0.3236, 0.2918$.

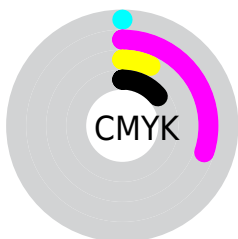
Distribution



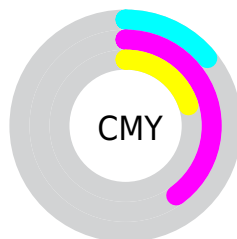
- Red (86%)
- Green (60%)
- Blue (80%)



- Red (86%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (14%)





- Cyan (14%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4831, 0.3304, 0.2723 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.4831, 0.3304, 0.2723 by changing the saturation by 10% instead.


 42.4831, 0.3304,
0.2723

 42.4831, 0.3304,
0.2723


356.4817, 0.3220,
0.2997

 29.4798, 0.3323,
0.2657


 78.9303, 0.3275,
0.2820

 19.4440, 0.3348,
0.2575


 103.1429, 0.3263,
0.2858

 11.9916, 0.3378,
0.2468


131.8607, 0.3254,
0.2889

 6.7379, 0.3419,
0.2324

165.4681, 0.3245,
0.2917

 3.2988, 0.3473,
0.2121

204.3495, 0.3238,
0.2941

 1.2896, 0.3550,
0.1815

248.8893, 0.3231,

 0.1331, 0.3966,

0.2962

0.0583

299.4719, 0.3226,
0.2980

0.0000, 0.0000,
0.0000

42.4831, 0.3304,
0.2723

42.4831, 0.3304,
0.2723

35.6506, 0.3382,
0.2531

50.6470, 0.3236,
0.2918

30.0721, 0.3468,
0.2351

60.2030, 0.3176,
0.3111

25.6705, 0.3561,
0.2193

71.2151, 0.3126,
0.3296

22.3585, 0.3660,
0.2068


83.7413, 0.3083,
0.3471


20.0359, 0.3761,
0.1984

92.2897, 0.3048,
0.3550


 18.5846, 0.3860,
0.1948

 92.5971, 0.3018,
0.3493

 17.8017, 0.3955,
0.1954

 92.9139, 0.2988,
0.3436

 17.7799, 0.3959,
0.1954

 93.2403, 0.2959,
0.3380

 93.5762, 0.2930,
0.3325

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.4831, 0.2797, 0.2521



42.4831, 0.3304, 0.2723



42.4831, 0.3796, 0.3051

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.4831, 0.3304, 0.2723



42.4831, 0.3849, 0.4134



42.4831, 0.2240, 0.3006

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.4831, 0.3304, 0.2723



60.4338, 0.2989, 0.3934

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.4831, 0.2478, 0.3505



42.4831, 0.3304, 0.2723



42.4831, 0.3398, 0.4209

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.4831, 0.3304, 0.2723



42.4831, 0.4116, 0.3839



42.4831, 0.2896, 0.3975



42.4831, 0.2220, 0.2648

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4831, 0.3304, 0.2723



42.4831, 0.4030, 0.3311



42.4831, 0.2896, 0.3975



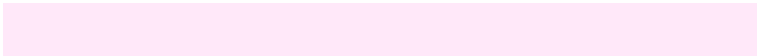
42.4831, 0.2296, 0.3163

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.4850, 0.3304, 0.2723



85.8630, 0.3173, 0.3122



36.6818, 0.2728, 0.2456



17.9235, 0.3181, 0.3094



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4850, 0.3304, 0.2723



53.3750, 0.3354, 0.2595



41.1262, 0.3610, 0.3083



13.2172, 0.3175, 0.3115



10.5613, 0.3945, 0.1947



0.6975, 0.3800, 0.1867

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.4850, 0.3304, 0.2723



53.3750, 0.3354, 0.2595



61.7800, 0.2799, 0.3509



13.2172, 0.3175, 0.3115



10.5613, 0.3945, 0.1947



0.6975, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 42.4831, 0.3304, 0.2723 looks on a white background.

Color Contrast Check

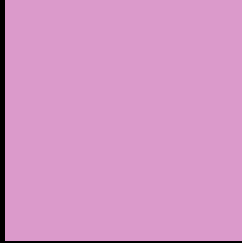
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.4831, 0.3304, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4831, 0.3304, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 42.4831, 0.3304, 0.2723.



This preview shows how white text looks on a background with the Yxy color 42.4831, 0.3304, 0.2723.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.4831, 0.3304, 0.2723

Protanopia

42.8443, 0.2735, 0.2735

Deuteranopia

42.6229, 0.2971, 0.2903



Tritanopia

42.5672, 0.3550, 0.3146

Trichromacy



Original Color

42.4831, 0.3304, 0.2723

Protanomaly

42.2899, 0.2927, 0.2727

Deuteranomaly

42.2373, 0.3086, 0.2829

Tritanomaly

42.4715, 0.3458, 0.2991

Monochromacy



Original Color

42.4831, 0.3304, 0.2723

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.8496, 0.3192, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4831, 0.3304, 0.2723 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 154, 203)` looks like.

```
.text, #text, p{  
    color:rgb(219, 154, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 154, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 154, 203) }
```

Border

The CSS property to change the border of an element to Yxy 42.4831, 0.3304, 0.2723 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 154, 203) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 154, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 154, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 154, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 154, 203);  
box-shadow:4px 4px 4px 4px rgb(219, 154,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4831, 0.3304, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 154, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
154, 203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor